

IN THE CLAIMS

The following is a complete listing of the claims. This listing replaces all earlier versions and listings of the claims.

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Claim 1 (currently amended) A data processing apparatus capable of performing data communication with various peripheral devices connected on a predetermined communication medium, comprising:

obtaining means for obtaining peripheral device information including connection information and status information about ~~[[said]]~~ the peripheral devices;

system display means for displaying a system configuration on a display with icons based on ~~said connection information and said status information~~ the peripheral device information obtained by said obtaining means;

designation means for designating ~~[[the]]~~ a combination of any of ~~[[said]]~~ the icons displayed on ~~[[said]]~~ the display;

~~determination means for determining whether combined functions based on said combination of icons designated by said designation means is valid or not; and~~

setup screen display means for displaying on ~~[[said]]~~ the display a setup screen for the combined functions based on ~~[[said]]~~ the combination designated by said designation means if ~~[[said]]~~ the combined functions are determined to be valid; and

control means for controlling the peripheral devices designated by said designation means in order to execute the combined functions in response to an execution instruction.

wherein said control means further controls the peripheral devices based on a parameter input in the setup screen displayed by said setup screen display means.

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Claims 2 and 3 (canceled)

Claim 4 (currently amended): The data processing apparatus according to claim [[2]] 1, wherein:

when an icon representing a scanner and an icon representing a printer are designated by said designation means, said control means causes image data to be input to [[said]] the scanner, [[said]] the image data to be transferred from [[said]] the scanner to [[said]] the printer, and [[said]] the image data to be output on [[said]] the printer.

Claim 5 (currently amended): The data processing apparatus according to claim [[1]] 81, wherein[[:]] said system display means modifies the appearance of the icons designated by said designation means distinguishably from the other icons, if [[said]] the combined functions are determined to be valid by said determination means.

Claim 6 (currently amended): The data processing apparatus according to claim 1, wherein[[:]], when icons are designated by said designation means, said system display means modifies the appearance of [[said]] the designated icons distinguishably from the other icons.

Claim 7 (currently amended): The data processing apparatus according to claim 1, wherein[[:]], when an icon representing a scanner and an icon representing a printer are designated by said designation means, said system display means causes an image to be displayed on [[said]] the display, [[said]] the image indicating that data is being transferred from [[said]] the scanner to [[said]] the printer.

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Claim 8 (currently amended): The data processing apparatus according to claim 1, further comprising[[:]] parameter determination means for determining a parameter involving [[said]] the combined functions based on information about the function of peripheral devices according to the combination of icons designated by said designation means.

Claim 9 (currently amended): The data processing apparatus according to claim 8, wherein said setup screen display means causes [[said]] the setup screen to be displayed on [[said]] the display based on the parameter determined by said parameter determination means.

Claim 10 (currently amended): The data processing apparatus according to claim 8, wherein[[:]], when an icon representing a scanner and an icon representing a printer are

designated by said designation means, said parameter determination means determines the resolution of a copy function based on the resolution of [[said]] the scanner and the resolution of [[said]] the printer.

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Claim 11 (currently amended): The data processing apparatus according to claim 8, wherein[[;]], when an icon representing a scanner and an icon representing a printer are designated by said designation means, said parameter determination means determines which of the two copying mode, color or monochrome, is to be performed.

Claim 12 (currently amended): The data processing apparatus according to claim 8, wherein[[:]], when an icon representing a scanner and an icon representing a printer are designated by said designation means, said parameter determination means determines a paper size.

Claim 13 (currently amended): The data processing apparatus according to claim 1, wherein said obtaining means obtains information about the function of [[said]] the peripheral device.

Claim 14 (currently amended): The data processing apparatus according to claim 1, wherein plural other data processing apparatuses capable of performing data

communication with said data processing apparatus are connected to [[said]] the predetermined communication medium.

0, Claim 15 (currently amended): The data processing apparatus according to claim 13, wherein any of [[said]] the plurality of data processing apparatus is assigned as a management server.

Claim 16 (currently amended): The data processing apparatus according to claim 15, wherein[[:]] said obtaining means obtains [[said]] the connection information and [[said]] the status information from [[said]] the management server.

Claim 17 (currently amended): The data processing apparatus according to claim 1, wherein [[said]] the peripheral devices [[includes]] include a printer.

Claim 18 (currently amended): The data processing apparatus according to claim 1, wherein [[said]] the peripheral devices [[includes]] include a facsimile.

Claim 19 (currently amended): The data processing apparatus according to claim 1, wherein [[said]] the peripheral devices [[includes]] include a digital copier.

Claim 20 (currently amended): The data processing apparatus according to claim 1, wherein ~~[[said]]~~ the peripheral devices ~~including~~ include a scanner.

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Claim 21 (currently amended): A data processing method in a data processing apparatus capable of performing data communication with various peripheral devices connected to a predetermined communication medium, comprising the steps of:

obtaining peripheral device information including connection information and status information about ~~[[said]]~~ the peripheral devices;

displaying a system configuration on a display with icons based on ~~said connection information and said status information~~ the peripheral device information obtained ~~[[by]]~~ in said obtaining step;

designating ~~[[the]]~~ a combination of any of ~~[[said]]~~ the icons displayed on ~~[[by]]~~ in display;

~~determining whether combined functions based on said combination of icons designated by said designation step is valid or not; and~~

displaying on ~~[[said]]~~ the display a setup screen for the combined functions based on ~~[[said]]~~ the combination designated ~~[[by]]~~ in said designation step if ~~[[said]]~~ the combined functions are determined to be valid; and

controlling the peripheral devices designated in said designation step in order to execute the combined functions in response to an execution instruction.

wherein said control step includes controlling the peripheral devices

a) based on a parameter input in the setup screen displayed in said setup screen display step.

Claims 22 and 23 (canceled)

Claim 24 (currently amended): The data processing method according to claim [[22]] 21, wherein[[[:]], when an icon representing a scanner and an icon representing a printer are designated [[by]] in said designation step, said control step causes image data to be input to [[said]] the scanner, [[said]] the image data to be transferred from [[said]] the scanner to [[said]] the printer, and [[said]] the image data to be output on [[said]] the printer.

Claim 25 (currently amended): The data processing method according to claim [[21]] 82, wherein said system display step ~~modifies~~ includes modifying the appearance of the icons designated [[by]] in said designation step distinguishably from the other icons, if [[said]] the combined functions are determined to be valid [[by]] in said determination step.

Claim 26 (currently amended): The data processing method according to claim 21, wherein[[[:]], when icons are designated [[by]] in said designation step, said system display step modifies the appearance of [[said]] the designated icons distinguishably from the other icons.

Claim 27 (currently amended): The data processing method according to claim 21, wherein[[:]], when an icon representing a scanner and an icon representing a printer are designated [[by]] in said designation step, said system display step causes an image to be displayed on [[said]] the display, [[said]] the image indicating that data is being transferred from [[said]] the scanner to [[said]] the printer.

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Claim 28 (currently amended): The data processing method according to claim 21, further comprising the step of determining a parameter involving [[said]] the combined functions based on information about the function of peripheral devices according to the combination of icons designated [[by]] in said designation step.

Claim 29 (currently amended): The data processing method according to claim 28, wherein said setup screen display step causes [[said]] the setup screen to be displayed on [[said]] the display based on the parameter determined [[by]] in said parameter determination step.

Claim 30 (currently amended): The data processing method according to claim 28, wherein[[:]], when an icon representing a scanner and an icon representing a printer are designated [[by]] in said designation step, said parameter determination step determines the resolution of a copy function based on the resolution of [[said]] the scanner and the resolution of [[said]] the printer.

Claim 31 (currently amended): The data processing method according to claim 28, wherein[[[:]], when an icon representing a scanner and an icon representing a printer are designated [[by]] in said designation step, said parameter determination step determines which of the two copying mode, color or monochrome, is to be performed.

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Claim 32 (currently amended): The data processing method according to claim 28, wherein[[[:]], when an icon representing a scanner and an icon representing a printer are designated [[by]] in said designation step, said parameter determination step determines a paper size.

Claim 33 (currently amended): The data processing method according to claim 21, wherein said obtaining step [[obtains]] includes obtaining information about the function of [[said]] the peripheral device.

Claim 34 (currently amended): The data processing method according to claim 21, wherein plural other data processing apparatuses capable of performing data communication with [[said]] the data processing apparatus are connected to [[said]] the predetermined communication medium.

Claim 35 (currently amended): The data processing method according to claim 33, wherein any of [[said]] the plurality of data processing apparatuses is assigned as a management server.

Claim 36 (currently amended): The data processing method according to claim 35, wherein said obtaining step ~~obtains said~~ includes obtaining the connection information and [[said]] the status information from [[said]] the management server.

Claim 37 (currently amended): The data processing method according to claim 21, wherein [[said]] the peripheral devices [[includes]] include a printer.

Claim 38 (currently amended): The data processing method according to claim 21, wherein [[said]] the peripheral devices [[includes]] include a facsimile.

Claim 39 (currently amended): The data processing method according to claim 21, wherein [[said]] the peripheral devices [[includes]] include a digital copier.

Claim 40 (currently amended): The data processing method according to claim 21, wherein [[said]] the peripheral devices ~~including~~ include a scanner.

Claim 41 (currently amended): A computer-readable memory medium which stores a program for a data processing apparatus capable of performing data communication with various peripheral devices connected to a predetermined communication medium, the program comprising the steps of:

code for obtaining peripheral device information including connection information and status information about [[said]] the peripheral devices;

code for displaying a system configuration on a display with icons based on ~~said connection information and said status information~~ the peripheral device information obtained [[by]] in said obtaining step;

As code for designating [[the]] a combination of any of [[said]] the icons displayed on [[said]] the display;

~~determining whether combined functions based on said combination of icons designated by said designation step is valid or not; and~~

code for displaying on [[said]] the display a setup screen for the combined functions based on [[said]] the combination designated [[by]] in said designation step if [[said]] the combined functions are determined to be valid; and

code for controlling the peripheral devices designated in said designation step in order to execute the combined functions in response to an execution instruction.

wherein said control includes controlling the peripheral devices based on a parameter input in the setup screen displayed in said setup screen display step.

Claims 42 and 43 (canceled)

Claim 44 (currently amended): The memory medium according to claim [[42]] 41, wherein[:], when an icon representing a scanner and an icon representing a printer are designated [[by]] in said designation step, said control step causes image data to be input to [[said]] the scanner, [[said]] the image data to be transferred from [[said]] the scanner to [[said]] the printer, and [[said]] the image data to be output on [[said]] the printer.

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Claim 45 (currently amended): The memory medium according to claim [[41]] 83, wherein[:] said system display step ~~modifies~~ includes modifying the appearance of the icons designated [[by]] in said designation step distinguishably from the other icons, if [[said]] the combined functions are determined to be valid [[by]] in said determination step.

Claim 46 (currently amended): The memory medium according to claim 41, wherein[:], when icons are designated [[by]] in said designation step, said system display step modifies the appearance of [[said]] the designated icons distinguishably from the other icons.

Claim 47 (currently amended): The memory medium according to claim 41, wherein[:], when an icon representing a scanner and an icon representing an printer are designated [[by]] in said designation step, said system display step causes an image to be

displayed on [[said]] the display, [[said]] the image indicating that data is being transferred from [[said]] the scanner to [[said]] the printer.

Claim 48 (currently amended): The memory medium according to claim 41, the program further comprising ~~the step of~~ code for determining a parameter involving [[said]] the combined functions based on information about the function of peripheral devices according to the combination of icons designated [[by]] in said designation step.

a, Claim 49 (currently amended): The memory medium according to claim 48, wherein said setup screen display step causes [[said]] the setup screen to be displayed on [[said]] the display based on the parameter determined [[by]] in said parameter determination step.

Claim 50 (currently amended): The memory medium according to claim 48, wherein[[:]], when an icon representing a scanner and an icon representing a printer are designated [[by]] in said designation step, said parameter determination step determines the resolution of a copy function based on the resolution of [[said]] the scanner and the resolution of [[said]] the printer.

Claim 51 (currently amended): The memory medium according to claim 48, wherein[[;]], when an icon representing a scanner and an icon representing a printer are

designated [[by]] in said designation step, said parameter determination step determines which of the two copying mode, color or monochrome, is to be performed.

Claim 52 (currently amended): The memory medium according to claim 48, wherein[[:]], when an icon representing a scanner and an icon representing a printer are designated [[by]] in said designation step, said parameter determination step determines a paper size.

A₁ Claim 53 (currently amended): The memory medium according to claim 41, wherein said obtaining step [[obtains]] includes obtaining information about the function of [[said]] the peripheral device.

Claim 54 (currently amended): The memory medium according to claim 41, wherein plural other data processing apparatuses capable of performing data communication with [[said]] the data processing apparatus are connected to [[said]] the predetermined communication medium.

Claim 55 (currently amended): The memory medium according to claim 53, wherein any of [[said]] the plurality of data processing apparatuses is assigned as a management server.

Claim 56 (currently amended): The memory medium according to claim 55, wherein said obtaining step ~~obtains said~~ includes obtaining the connection information and ~~[[said]]~~ the status information from ~~[[said]]~~ the management server.

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Claim 57 (currently amended): The memory medium according to claim 41, wherein ~~[[said]]~~ the peripheral devices ~~[[includes]]~~ include a printer.

Claim 58 (currently amended): The memory medium according to claim 41, wherein ~~[[said]]~~ the peripheral devices ~~[[includes]]~~ include a facsimile.

Claim 59 (currently amended): The memory medium according to claim 41, wherein ~~[[said]]~~ the peripheral devices ~~[[includes]]~~ include a digital copier.

Claim 60 (currently amended): The memory medium according to claim 41, wherein ~~[[said]]~~ the peripheral devices ~~including~~ include a scanner.

Claims 61-80 (canceled)

Claim 81 (new): The apparatus according to claim 1, further comprising determination means for determining whether the combined functions based on the combination of icons designated by said designating means is valid or not.

Claim 82 (new): The method according to claim 21, further comprising the step of determining whether the combined functions based on the combination of icons designated in said designating step is valid or not.

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Claim 83 (new): The memory medium according to claim 41, further comprising code for determining whether the combined functions based on the combination of icons designated in said designating step is valid or not.
